

ABSTRACT

Devices and methods for construction of a sonde or other sensing tool that includes a side-entry leak protector arrangement. The side-entry leak protector provides for improved fluid sealing against fluid that might enter a sonde sub proximate the side-mounted sensor component. The side entry leak protector connector assembly includes a metal body with glass-sealed conductive elements and pin connectors to operably engage mating electrical connections leading to the sensor element, or elements, and to the components housed within the sub. The outer radial body of the protector connector assembly provides an annular fluid chamber to permit fluid that might enter the sub to reside therewithin. The outer radial body of the protector connector assembly also includes O-ring seals that provide fluid sealing between the protector connector assembly and the interior walls of the sub.